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AMENDMENT TO THE CLAIMS

1-15. (Canceled)

16. (Currently Amended) An epitaxial growth method of III-V nitrides alloy, comprising:

spreading liquid comprising group III elements and nitrogen on a substrate;

forming a spin-coated layer by coating the substrate with a thin film comprising group III elements and nitrogen by spinning at selected rotation speeds; and

annealing in a gas atmosphere at a temperature equal to or higher than 700°C so as to crystallize the spin-coated layer; and

growing an III-V nitrides alloy film on the spin-coated film after said annealing.



- 17. (Currently Amended) The epitaxial growth method of III-V nitrides of claim 16 further comprising annealing in a gas atmosphere, wherein the gas atmosphere comprises a gas, wherein the gas comprises nitrogen as an element.
- 18. (Canceled)
- 19. (Original) The epitaxial growth method of ΠI-V nitrides of claim 17 wherein the gas atmosphere comprises ammonia.
- 20. (Original) The epitaxial growth method of III-V nitrides of claim 17 wherein the gas atmosphere comprises radical nitrogen atoms.

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- 21. (Withdrawn)
- 22. (Withdrawn)
- 23. (Original) The epitaxial growth method of claim 16 wherein the epitaxial III-V nitrides alloy film comprises a pn junction.
- 24. (Original) The epitaxial growth method of claim 16 wherein the epitaxial III-V nitrides alloy film is grown by a method selected from the group consisting of metal organic chemical vapor deposition, molecular beam epitaxy, and hydride vapor phase epitaxy.
- 25. (Previously Amended) The epitaxial growth method of claim 16 wherein the epitaxial III-V nitrides alloy film is grown by a sequential combination of two or more growth methods selected from the group consisting of metal organic chemical vapor deposition, molecular beam epitaxy, and hydride vapor phase epitaxy.
- 26. (Withdrawn)
- 27. (Withdrawn)
- 28. (Withdrawn)
- 29. (Withdrawn)
- 30. (Withdrawn)

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- 31. (Original) The epitaxial growth method of claim 16 wherein the substrate has a cover layer on the surface on which the spin coating is applied.
- 32. (Previously Amended) The epitaxial growth method of claim 31 wherein the substrate is silicon covered by silicon carbide.
- 33. (Previously Amended) The epitaxial growth method of claim 30 wherein the substrate is silicon covered by zinc oxide.
- 34. (Currently Amended) An epitaxial growth method of III-V nitrides alloy, comprising:

spreading liquid comprising group III elements and oxygen on a substrate;

forming a spin-coated layer by coating the substrate with a thin film comprising metal group III elements and oxygen by spinning at selected rotation speeds; and annealing in a gas atmosphere so as to crystallize the spin-coated layer; and growing an III-V nitrides alloy film on the spin-coated film after said annealing.

- 35. (Currently Amended) The epitaxial growth method of III-V nitrides of claim 34 further comprising annealing in a gas atmosphere, wherein the gas atmosphere comprises a gas, wherein the gas comprises oxygen as an element.
- 36. (Canceled)

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- 37. (Original) The epitaxial growth method of III-V nitrides of claim 35 wherein the gas atmosphere comprises H_2O gas.
- 38. (Original) The epitaxial growth method of III-V nitrides of claim 35 wherein the gas atmosphere comprises O₂ gas.
- 39. (Previously Amended) The epitaxial growth method of claim 34 wherein the spin-coated film is selected from the group consisting of zinc oxide, magnesium oxide, and aluminum oxide.
- 40. (Original) The epitaxial growth method of claim 34 wherein the substrate is selected from the group consisting of sapphire, SiC, Si, GaAs, InP, GaP, ZnO, MgO, LiGaO₂, and LiAlO₂.
- 41. (Original) The epitaxial growth method of claim 34 wherein the epitaxial III-V nitrides alloy film comprises a pn junction.
- 42. (Original) The epitaxial growth method of claim 34 wherein the epitaxial III-V nitrides alloy film is grown by a method selected from the group consisting of metal organic chemical vapor deposition, molecular beam epitaxy, and hydride vapor phase epitaxy.

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- 43. (Previously Amended) The epitaxial growth method of claim 34 wherein the epitaxial III-V nitrides alloy film is grown by a sequential combination of two or more growth methods selected from the group consisting of metal organic chemical vapor deposition, molecular beam epitaxy, and hydride vapor phase epitaxy.
- 44. (Canceled)
- 45. (Canceled)
- 46. (Canceled)
- 47. (Canceled)

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- 48. (Currently Amended) The epitaxial growth method of III-V nitrides of claim 34 further comprising wherein said annealing occurs at a temperature of 700°C or more.
- 49. (Canceled)
- 50. (Canceled)
- 51. The epitaxial growth method of III-V nitrides of claim 48 wherein the annealing occurs in a gas atmosphere, wherein the gas atmosphere comprises a gas, wherein the gas comprises oxygen as an element.